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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,249	11/26/2003	Atsuya Okamoto	2018-808	6130
23117 7	590 09/20/2005		EXAMINER	
	ANDERHYE, PC	I OOD	MILLER, CARL STUART	
ARLINGTON,	ELEBE ROAD, 11TH F VA 22203	LOOK	ART UNIT	PAPER NUMBER
			3747	

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applic	ation No.	Applicant(s)				
Office Action Summary			1,249	ОКАМОТО ЕТ А	L.			
			iner	Art Unit				
		Carl S	. Miller	3747				
TI Period for R	ne MAILING DATE of this commun eply	nication appears on	the cover sheet	with the correspondence a	ddress			
WHICHE - Extensions after SIX ( - If NO perio - Failure to I Any reply I	TENED STATUTORY PERIOD FOR IS LONGER, FROM THE ME SO IT IN THE	MAILING DATE OF s of 37 CFR 1.136(a). In n munication. tatutory period will apply ar y will, by statute, cause the	THIS COMMUN o event, however, may and will expire SIX (6) M e application to become	NICATION. a reply be timely filed ONTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).	·			
Status								
1)⊠ Re:	sponsive to communication(s) fil	ed on <i>03 June 200</i>						
· <u> </u>		2b)⊠ This action	<del></del>					
<b>'</b> —.								
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition (		<b>,</b>		,				
<u> </u>		!						
•	im(s) <u>1-15</u> is/are pending in the	* *	- <b>6</b>	A:				
•	Of the above claim(s) <u>6-13 and</u>	15 is/are withdrawi	i irom considera	IUON.				
· <u> </u>	im(s) is/are allowed.							
·	6)⊠ Claim(s) <u>1-4 and 14</u> is/are rejected.							
· <u> </u>	im(s) <u>5</u> is/are objected to.							
8)[_] Cla	im(s) are subject to restri	ction and/or election	on requirement.					
Application 1	Papers							
9) <u></u> The	specification is objected to by the	ne Examiner.						
10) <u></u> The	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Арр	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Rep	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) <u></u> The	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority unde	er 35 U.S.C. § 119							
12) <u></u> Ack	nowledgment is made of a claim	for foreign priority	under 35 U.S.C	. § 119(a)-(d) or (f).				
a) <u></u>	ll b) Some * c) None of:							
1.[	Certified copies of the priority	documents have I	been received.	,				
2.[	_			Application No.				
3.[	_				l Stage			
	application from the Internation	•			Ü			
* See	the attached detailed Office action	•	` ' '	ot received.				
			•					
Attachment(s)				•				
_	References Cited (PTO-892)		4) Interviev	w Summary (PTO-413)				
2) 🔲 Notice of I	Draftsperson's Patent Drawing Review (		Paper N	o(s)/Mail Date				
	n Disclosure Statement(s) (PTO-1449 o	r PTO/SB/08)		of Informal Patent Application (PT	O-152)			
Paper Not	s)/Mail Date <u>11/26/03</u> .		6)	·				

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Claims 6-13 and 15 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on June 3, 2005.

In particular, the applicant has elected claims 1-5 and 14 for examination and the examiner notes that these claims all read on the species of Figure 10. Applicant's argument that the species of Figures 7 and 8 are not subspecies of Figure 10 is convincing and thus these Figures are now deemed to be non-elected species. If the applicant believes that other claims are now readable on the elected species of Figure 10 then he may identify these claims in his response and the examiner will consider making the next office action non-final.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4 and 14 are rejected under 35 U.S.C. 102(e) as being anticipated by Xu ('385).

In particular, the applicant's attention is directed to Figures 5, 6, 7 and 8 wherein it is clearly show that a swirl pattern of fuel flow in created in chamber (32) and that this

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pattern exits as a swirl pattern through exit holes (34). The applicant should note that the claims now pending only require that the swirl exist in the outlet hole and there is no requirement that there be no swirl in the upstream hole.

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Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carl S. Miller whose telephone number is 703-308-2653. The examiner can normally be reached on MTWTHF.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry YUEN, can be reached at 571-272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examino: